EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|---------|---|--|---------------------|---------|------------------|
| S1 | 7 | (("2650482") or ("2664719") or ("4337070") or ("5071458") or ("6347662") or ("6351968") or ("6393864")).PN. | USPAT | OR | OFF | 2007/11/19 18:20 |
| S2 | 984280 | column | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:20 |
| S3 | 3310996 | air or oxygen | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:21 |
| S4 | 290505 | reboiler or boiler or (heat adj exchanger) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR · | OFF | 2007/11/19 18:21 |
| S5 | 61229 | flammable or inflammable or flammability or inflammability | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:22 |
| S6 | 1 | S2 with S3 with S4 with S5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:23 |
| S7 | 228 | S4 with S5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:23 |
| S8 | 39515 | S2 with S3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:23 |
| S9 | 1 | S7 with S8 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:24 |

Page 1

EAST Search History

| S10 | 9 | S7 and S8 | US-PGPUB; | OR | OFF | 2007/11/19 18:25 |
|-------|---------|---|--|------|-------|------------------|
| 310 | 3 | 37 anu 30 | USPAT; USOCR; FPRS; EPO; JPO | OK . | OH | |
| S11 | 3635 | copper with S4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:25 |
| S12 · | 5456 | aluminum with S4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:26 |
| S13 | 862 | S11 and S12 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:26 |
| S14 | 29 | S13 and S8 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:37 |
| S15 | 6546960 | second or auxiliary or secondary or purging | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:37 |
| S16 | 54139 | S4 with S15 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:38 |
| S17 | 1826 | S8 and S16 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:38 |
| S18 | 11906 | S15 adj S4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF · | 2007/11/19 18:39 |
| S19 | 372 | S18 and S8 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:40 |

EAST Search History

| S20 | 1095628 | aluminum | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR · | OFF | 2007/11/19 18:40 |
|-----|---------|------------------------|--|------|-----|------------------|
| S21 | 51 | S19 and S20 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:50 |
| S22 | 1053 | (62/643,903,908).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:51 |
| S23 | 14 | S5 and S15 and S22 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2007/11/19 18:53 |